

## Summary Report

8297-EN-07  
DTIC  
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### Information Exchange between UK Coastal Research Facility and WES

The services provided within the contract No N68171-98-M-5680 and agreed with David Hamilton of WES are as follows.

#### Co-ordination and setting-up the contract

After full consultation with all parties having an interest in the Information Exchange, the agreed contract above was set-up between WES and HR.

#### Questions regarding Longshore current distribution 17 December 1998

On the 17 December 1998 David Hamilton forwarded a series of questions regarding longshore current distribution measurements obtained from the UKCRF. A written response was made by e-mail on 20 January 1999. Subsequently there were further queries that were discussed on the phone along with other associated issues and areas of interest.

#### The production of Report TR 97 Design and Evaluation of a Sediment Recirculation System for a Coastal Wave Basin, UK Coastal Research Facility.

A report discussing the approaches to implementing a sediment recirculation system for coastal wave basins has been written (HR Wallingford Report TR97). The report describes both the online and offline system in which model sediments can be recirculated. The advantages and disadvantages of both systems are discussed and the report goes on to describe the specific design criteria for the UKCRF where an online system has been installed. The report details the design and installation of the online (hydrocyclone) system installed in the UKCRF. The performance of the system during a hydraulic study within the UKCRF has also been described.

The report includes schematic diagrams of both the online and offline systems and also includes six colour plates illustrating the hydrocyclone system that was used in the UKCRF. The above report is currently in a draft stage (sent by Email to David Hamilton at WES for comments) and will shortly be produced in its final form (comments due 8 October 1999). Once the comments are implemented a copy of the report will be forwarded to the WES and the contracts department London division.

12 October 1999  
HR Wallingford

Dr R.J.S. Whitehouse

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